



Oliver Stedman Government Center  
4808 Tower Hill Road; Suite 116  
Wakefield, RI 02879  
401-783-3370

## PUBLIC NOTICE

File Number: 2013-01-029 Date: May 17, 2013

This office has under consideration the application of:

Arnolda Improvement Corp  
P O Box 1002  
Charlestown, RI 02813

for a State of Rhode Island Assent to construct and maintain: a homeowners association residential boating facility consisting of a 3.5' x 20' access ramp, 4' x 75' fixed pier, a 3.5' x 15' ramp and two 4' x 18.5' floats. The existing property line will be moved to the east to accommodate the proposed boating facility.

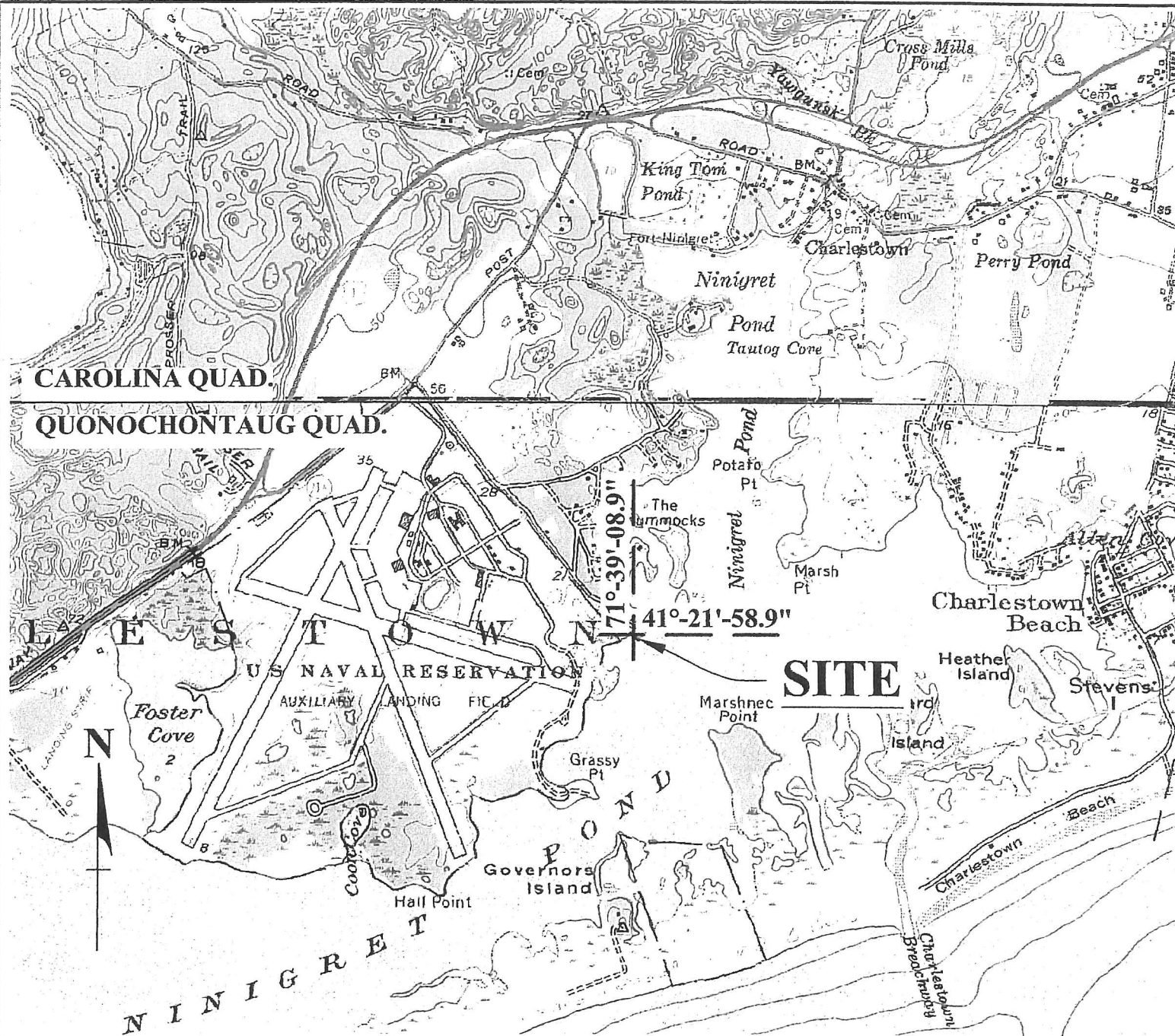
Project Location:	Hunters Harbor Road
City/Town:	Charlestown
Plat/Lot:	7 / 39,41
Waterway:	Ninigret Pond

Plans of the proposed work may be seen at the CRMC office in Wakefield.

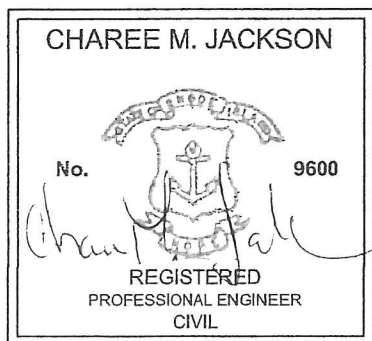
In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before June 17, 2013.



**LOCATION MAP**  
 CAROLINA & QUONOCHONTAUG  
 QUADRANGLE  
 Approx. Scale; 1" = 2,000'



**JACKSON SURVEYING, Inc.**  
 SURVEYING & ENGINEERING

P.O. BOX 454 CHARLESTOWN, RI 02813 PH. (401) 364-3130

**LOCATION PLAN**

PROPOSED CRMC DOCK APPLICATION

**Hunters Harbor Road, Charlestown, RI**

Right of Way between Lots 39 & 41 of AP 7

DESIGNED FOR

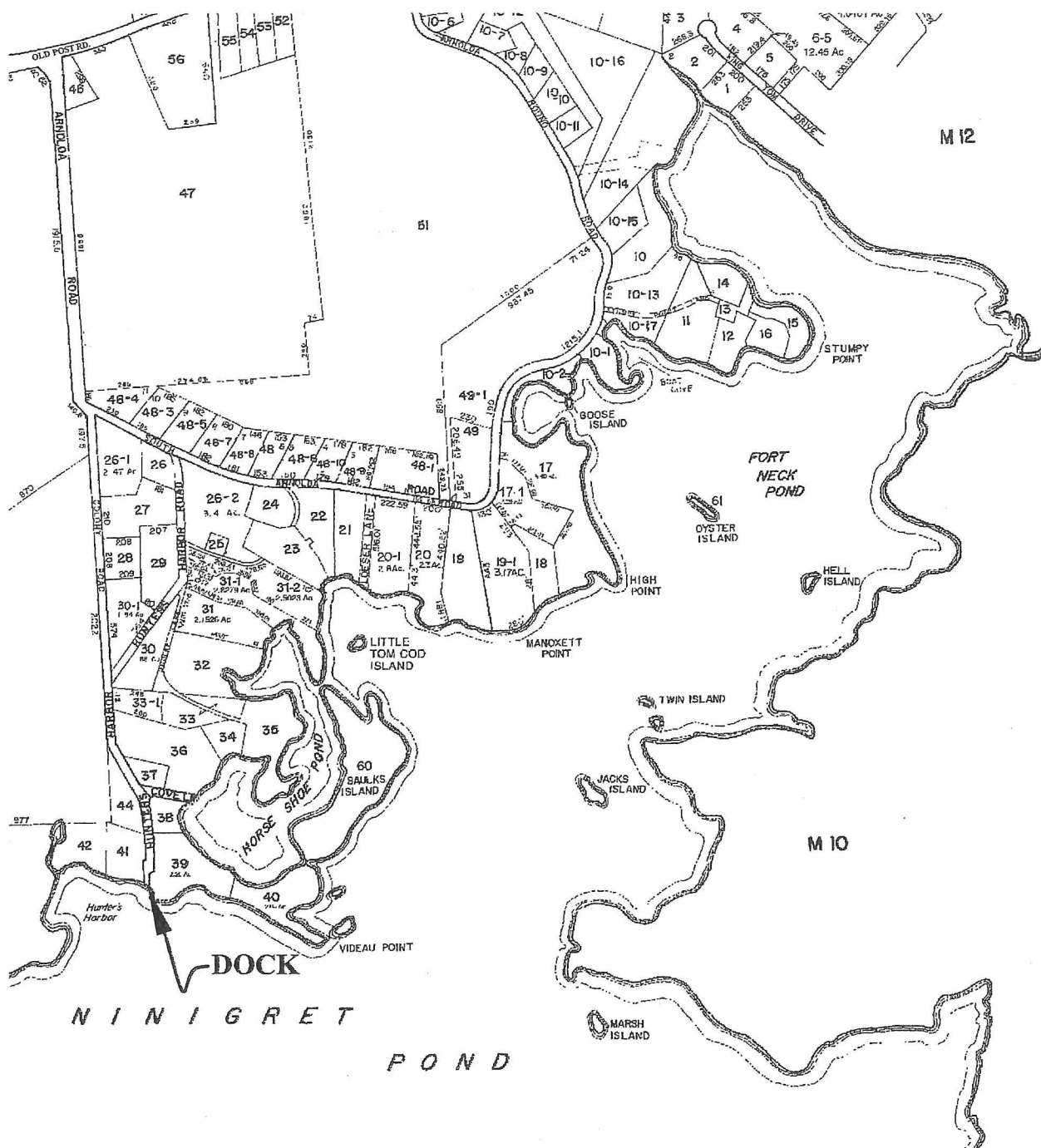
**ARNOLDA IMPROVEMENT CORPORATION**

P.O. BOX 1002

Charlestown, RI 02813

NOVEMBER 2012

SHEET 1 OF 9



CHAREE M. JACKSON



## VICINITY MAP

## PROPOSED CRMC DOCK APPLICATION

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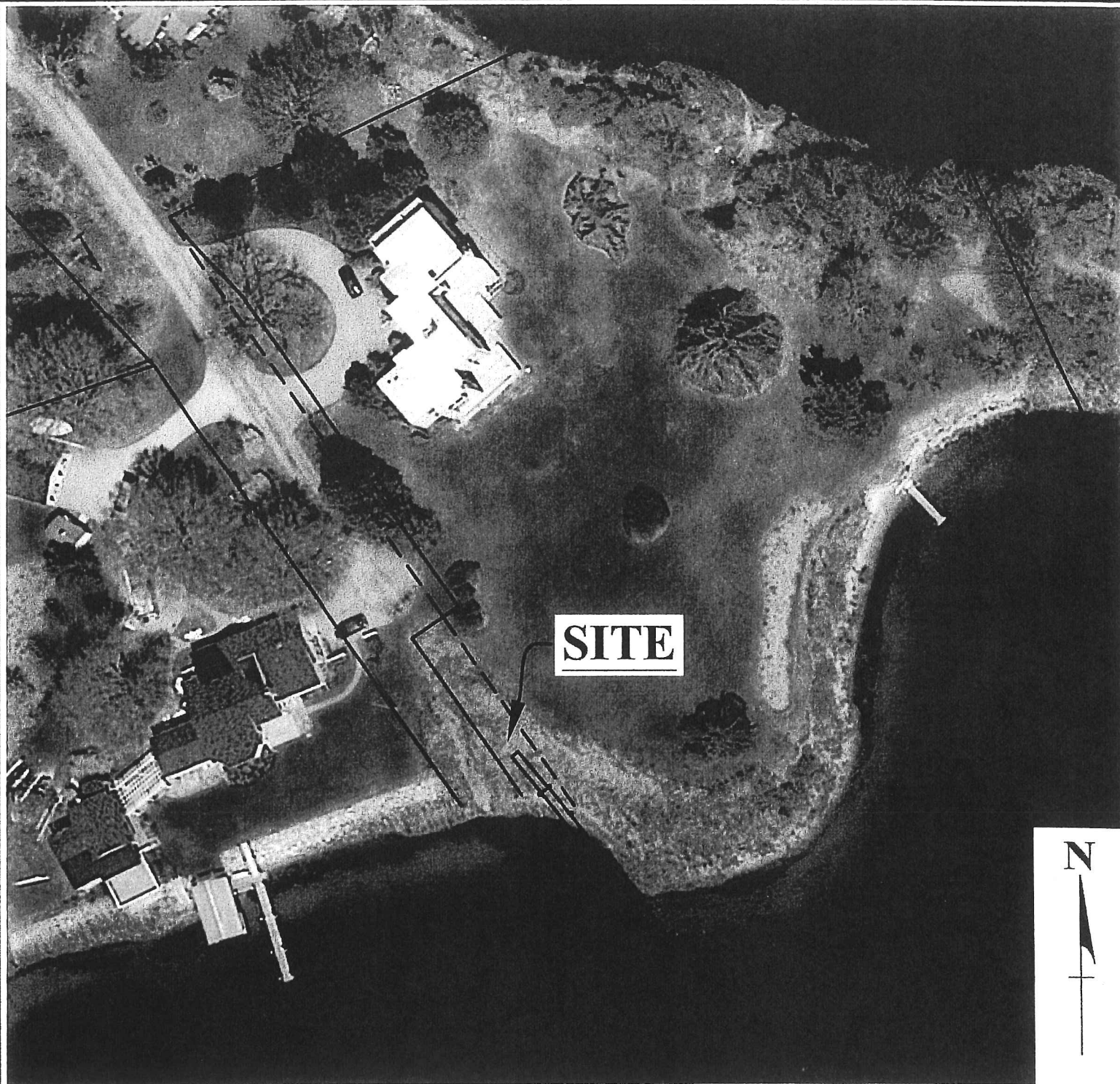
**ARNOLDA IMPROVEMENT CORPORATION**

P.O. BOX 1002

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NOVEMBER 2012

SHEET 2 OF 9



### 2011 AERIAL

Scale; 1" = 60'

CHAREE M. JACKSON

No.

9600



*Charee M. Jackson*

REGISTERED  
PROFESSIONAL ENGINEER  
CIVIL

### 2011 AERIAL - RI GIS

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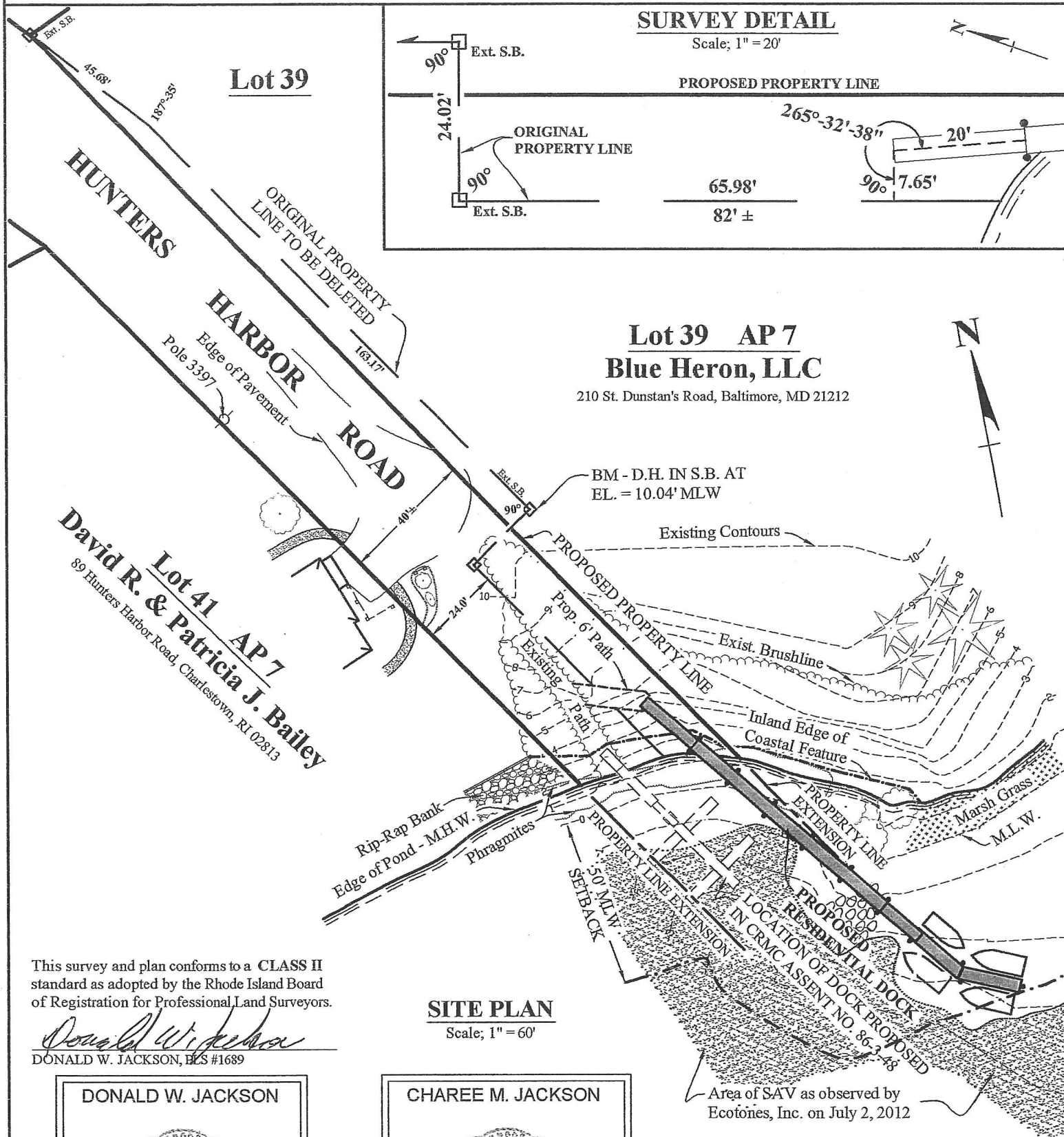
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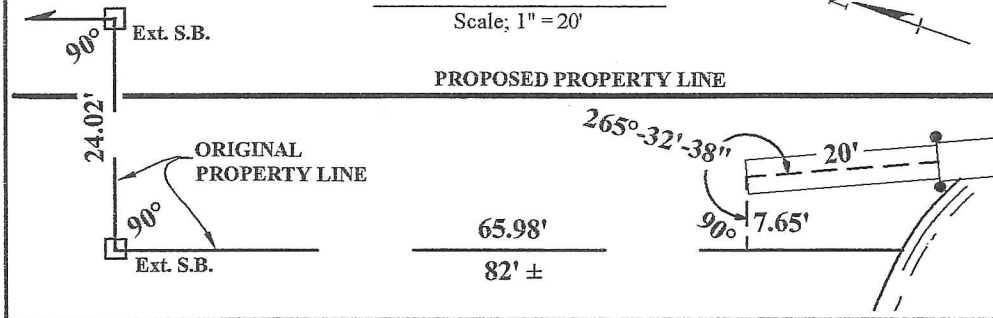
SHEET 3 OF 9





### SURVEY DETAIL

Scale: 1" = 20'



This survey and plan conforms to a **CLASS II** standard as adopted by the Rhode Island Board of Registration for Professional Land Surveyors.

*Donald W. Jackson*  
 DONALD W. JACKSON, ELS #1689

### SITE PLAN

Scale: 1" = 60'

DONALD W. JACKSON

No.

1689

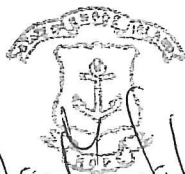


PROFESSIONAL  
 LAND SURVEYOR

CHAREE M. JACKSON

No.

9600



REGISTERED  
 PROFESSIONAL ENGINEER  
 CIVIL

### SITE PLAN

PROPOSED CRMC DOCK APPLICATION

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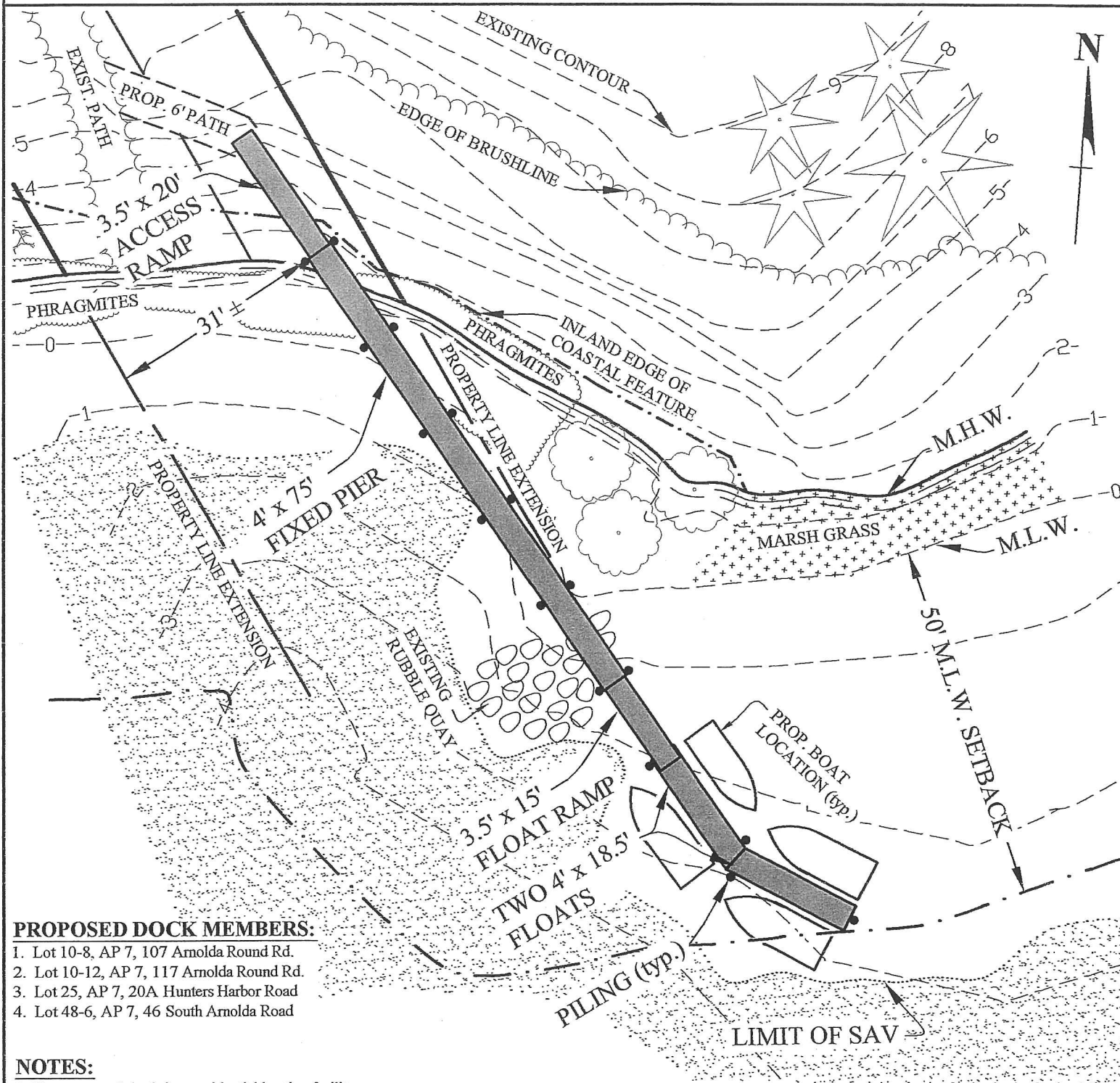
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NOVEMBER 2012, REV.: APR. 2013

SHEET 4 OF 9



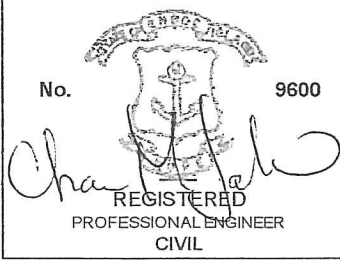
#### PROPOSED DOCK MEMBERS:

1. Lot 10-8, AP 7, 107 Arnolda Round Rd.
2. Lot 10-12, AP 7, 117 Arnolda Round Rd.
3. Lot 25, AP 7, 20A Hunters Harbor Road
4. Lot 48-6, AP 7, 46 South Arnolda Road

#### NOTES:

1. The proposed dock is a residential boating facility for the use of 4 boats.
2. The proposed dock is for members of the Arnolda Improvement Corporation only. The Arnolda Improvement Corporation is a legally recorded homeowners association.
3. The proposed dock is not located in a High Fetch Area.
4. No utilities are proposed at this time on the proposed dock.
5. The dock is located in Type 2 water per CRMC maps.
6. The Arnolda Improvement Corporation rules and regulations limits boat length to a maximum of 16 ft.
7. The proposed dock floats are to be serviced and stored annually by Ocean House Marina for winter storage.

CHAREE M. JACKSON



#### PLAN VIEW

Scale: 1" = 20'

#### PLAN VIEW

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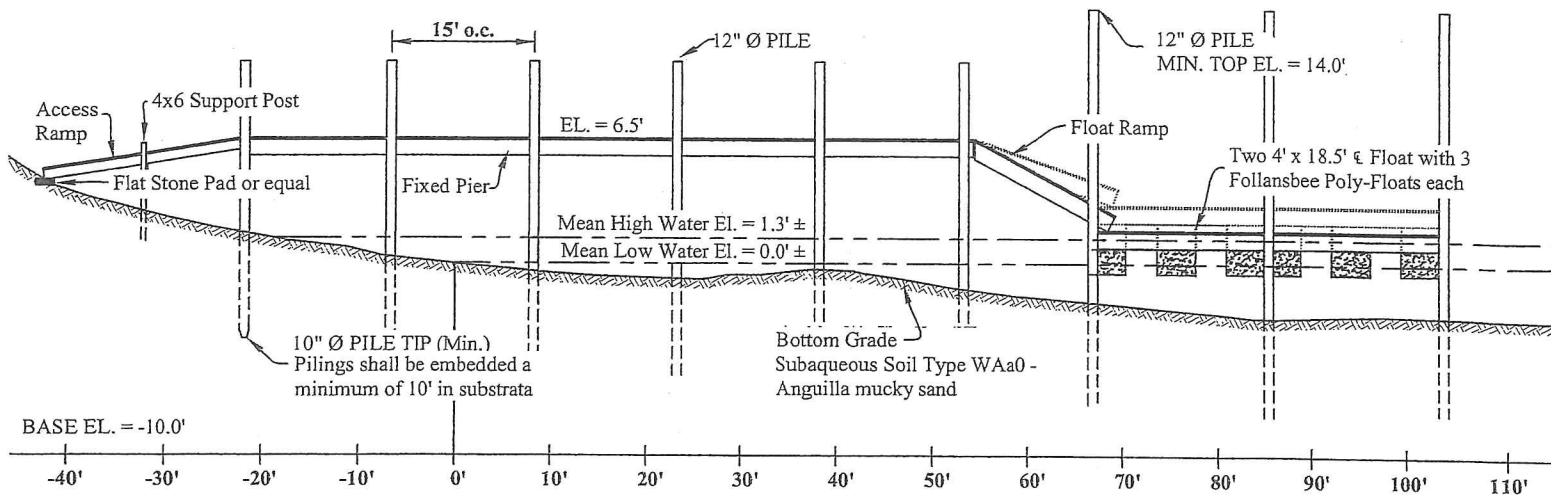
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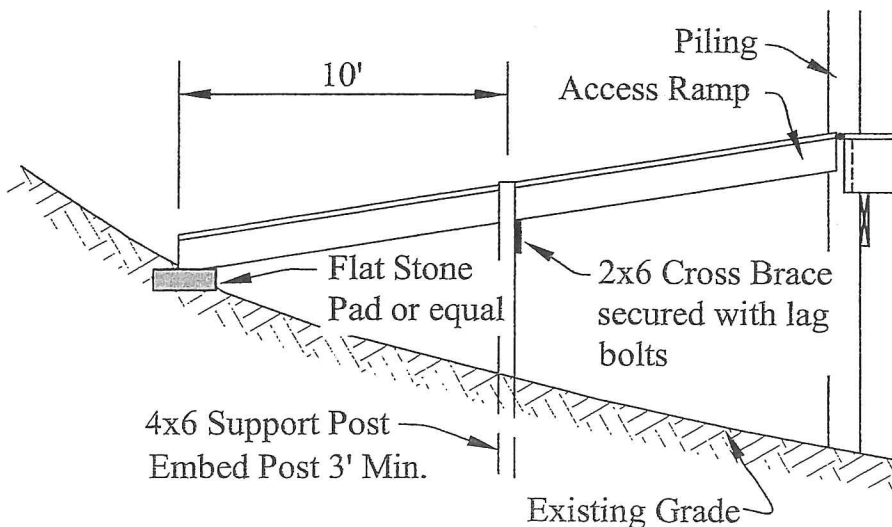
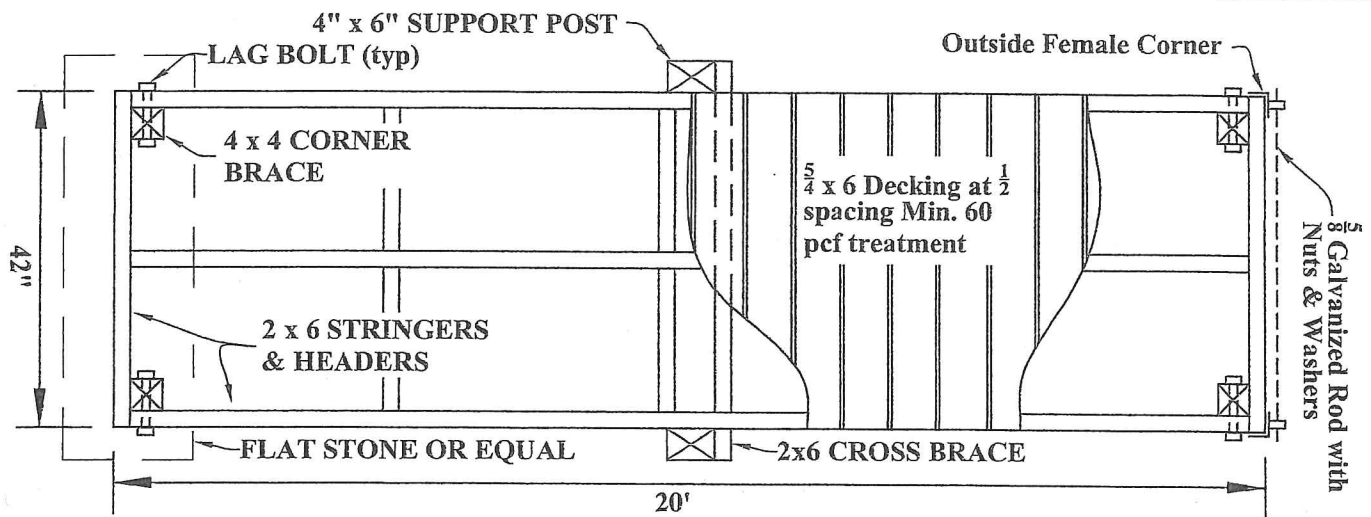
SHEET 5 OF 9



### DOCK CENTER LINE PROFILE

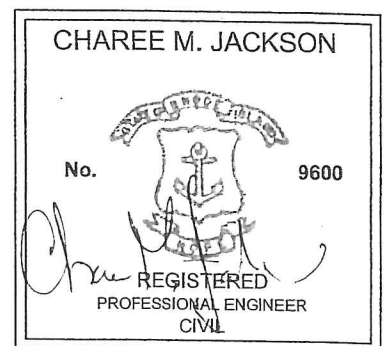
Horizontal Scale: 1" = 20'

Vertical Scale: 1" = 2'



### ACCESS RAMP DETAIL

No Scale



### DOCK PROFILE & ACCESS RAMP DETAIL

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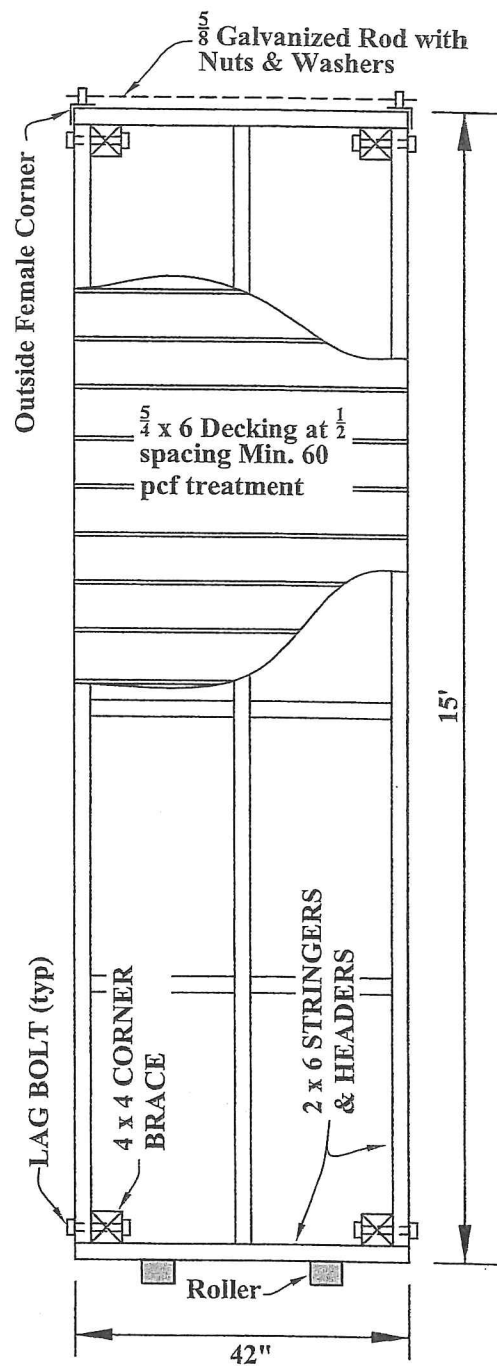
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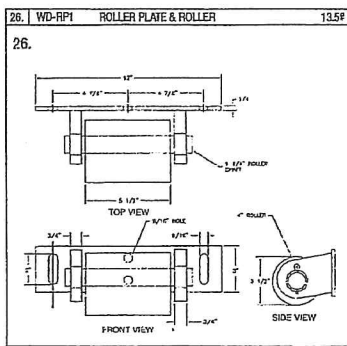
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NOVEMBER 2012

SHEET 6 OF 9

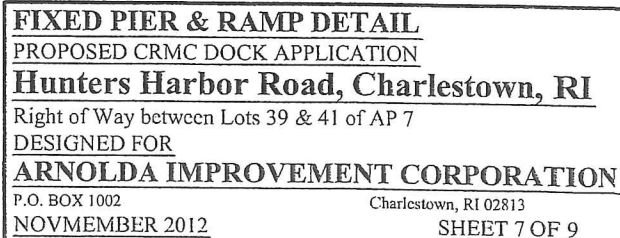


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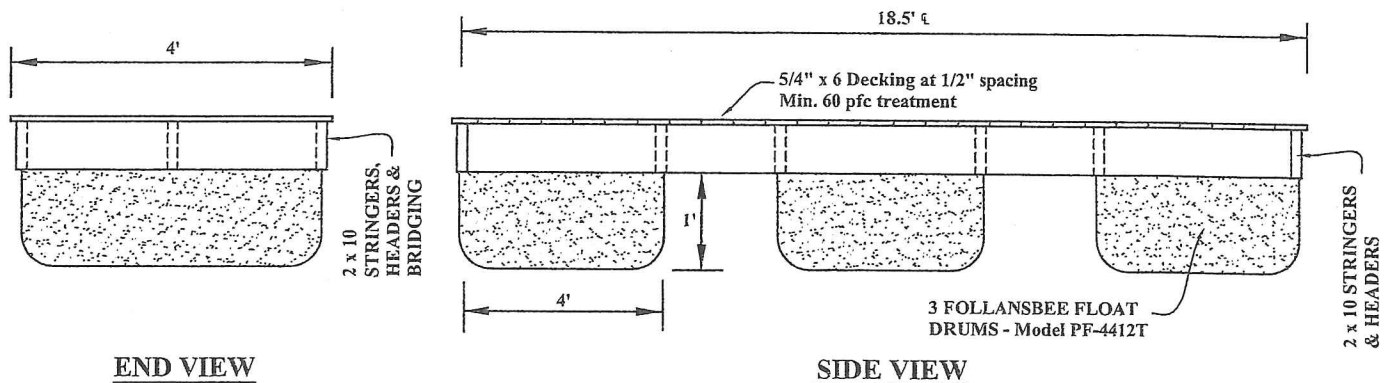
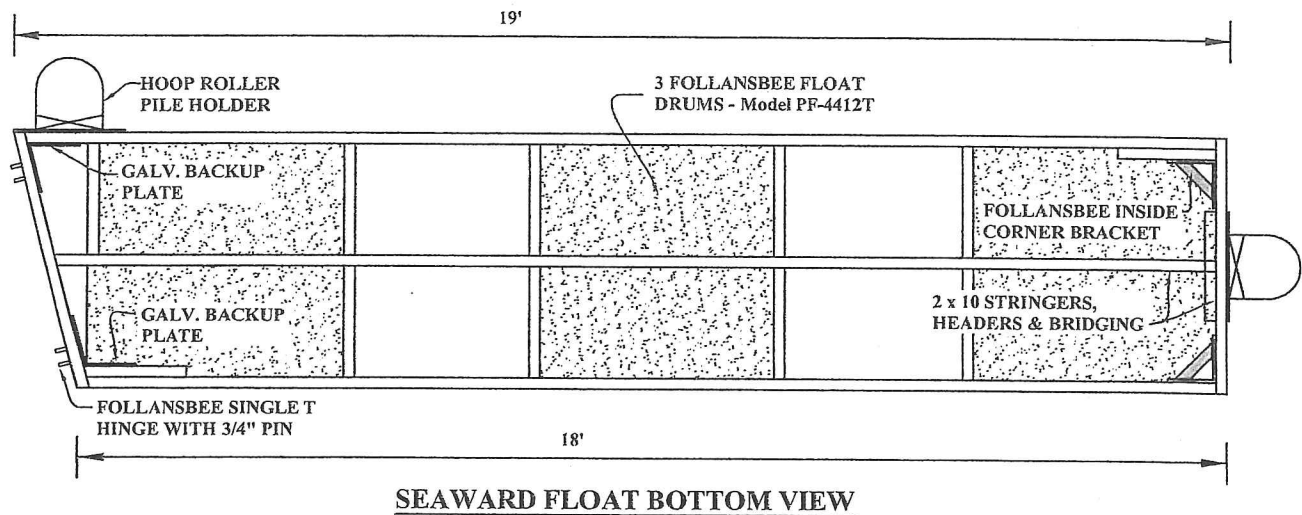
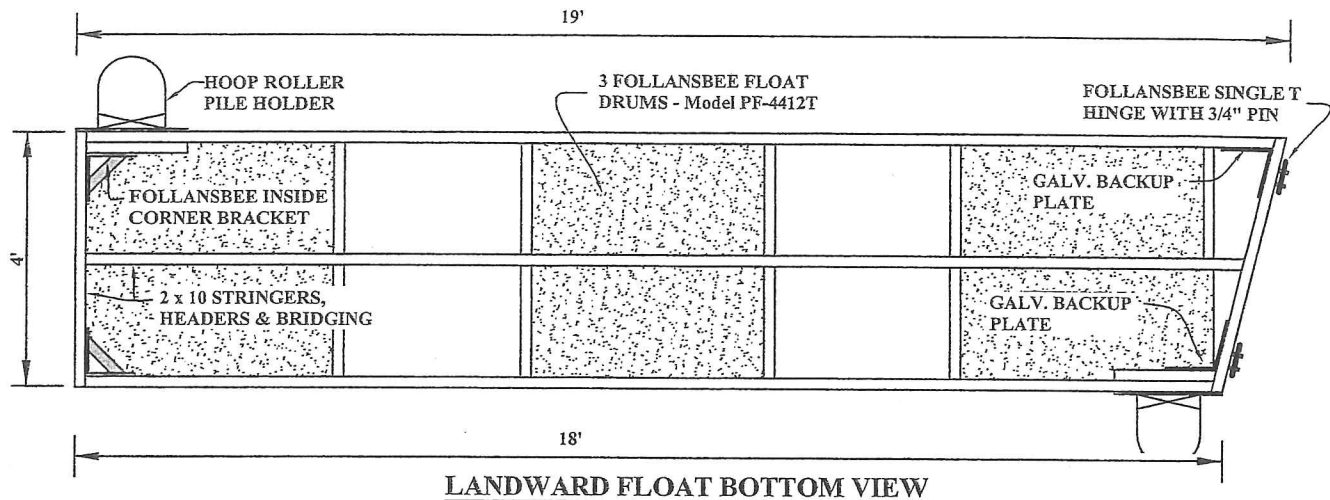


## RAMP HARDWARE

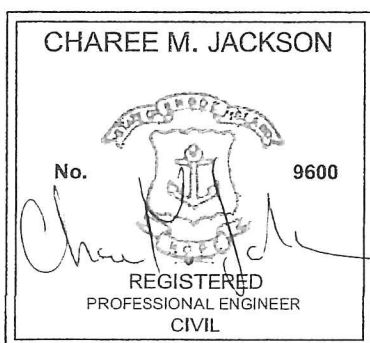
No Scale







**FLOAT DETAIL**  
No Scale



**FLOAT DETAIL**  
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SHEET 8 OF 9

## TIMBER BOLT

### Available Sizes

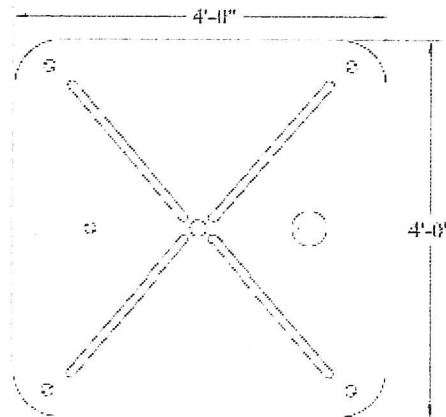
CODE	DIA.	LENGTH	COATING
F-TB588	10x 5/8"	10"	H.D. GALV
F-TB34	10x 3/4"	10"	H.D. GALV
F-TB34	12x 3/4"	12"	H.D. GALV
F-TB34	18x 3/4"	18"	H.D. GALV
F-TB34	20x 3/4"	20"	H.D. GALV
F-TB34	22x 3/4"	22"	H.D. GALV
F-TB34	24x 3/4"	24"	H.D. GALV

## LAG BOLT

### Available Sizes

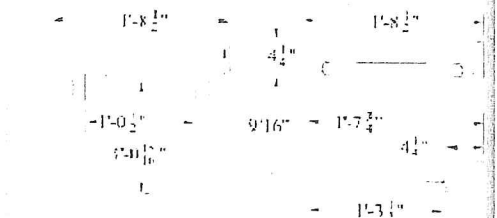
CODE	DIA.	LENGTH	COATING
F-LB2H	3/8"	2"	H.D. GALV
F-LB3H	3/8"	3"	H.D. GALV
F-LB4H	3/8"	4"	H.D. GALV

All hardware shall be hot dipped galvanized steel.

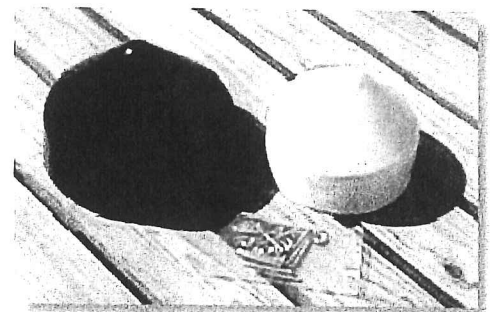


CODE	DIMENSIONS	SUPPORT	SHIP WT.
PF-4412T	4'W x 4'L x 12"H	924 lbs.	47#
PF-4416T	4'W x 4'L x 16"H	1,248 lbs.	55#
PF-4418T	4'W x 4'L x 18"H	1,433 lbs.	60#
PF-4420T	4'W x 4'L x 20"H	1,572 lbs.	63#
PF-4424T	4'W x 4'L x 24"H	1,896 lbs.	71#

WD-IN Inside Corner 6#  
Inside Corners with corner gussets are used as an inside backup for the Outside Corner hardware. The corner gusset provides strength and helps to reduce racking.



PH-H12 12" Hoop Pile Guide 27#



WD-HDTF Heavy-Duty Single "T" Female 3.5#  
Has three (3) 1/2" tabs and is used with H.D. Outside Corner Male (WD-HDM) or H.D. Single "T" Male (WD-HDTM) connectors. Can be bolted to a seawall for hinging ramps or bolted to the side of a dock for finger attachment. These are used where additional strength is needed. Uses a (WD-HDB) H.D. Backup Plate.

A: 7.375"  
B: 5"  
C: 3.5"  
D: 6.25"  
E: 9/16"  
F: 13/16"

WD-HDTM Heavy-Duty Single "T" Male 3#  
Has two (2) 3/4" tabs and is used with H.D. Outside Corner Female (WD-HDF) or H.D. Single "T" Female (WD-HDTF) connectors. The tabs are pre-drilled to accommodate a 3/4" pin or bolt. These are used where additional strength is needed. Uses a (WD-HDB) Backup Plate.

A: 7.375"  
B: 5"  
C: 3.5"  
D: 6.25"  
E: 9/16"  
F: 13/16"

## HARDWARE TYPICALS

No Scale

## COMPUTATIONS OF BUOYANCY

### 4' x 18.5' FLOATING SECTION

BUOYANCY OF FOLLANSBEE SERIES PF-4412T FLANGED POLY-FLOAT DRUM

$$924 \text{ lbs./DRUM} \times 3 \text{ DRUMS/FLOAT} = 2,772 \text{ lbs.}$$

### WEIGHT OF FLOAT MATERIALS

$$\text{FLOTATION DRUMS } 3 \times 47 \text{ lbs} = 141 \text{ lbs.}$$

$$\text{FASTENERS \& HARDWARE} = 120 \text{ lbs.}$$

$$\text{LUMBER (pressure treated)} = 678 \text{ lbs.}$$

$$83.5 \text{ ln. ft. of } 2" \times 10" \times 4.8 \text{ lbs./ln. ft.} = 401 \text{ lbs.}$$

$$142 \text{ ln/ft of } 5/4" \times 6" \text{ decking } \times 1.95 \text{ lbs./ln. ft.} = 277 \text{ lbs.}$$

$$\text{TOTAL WEIGHT OF FLOAT} = 939 \text{ lbs.}$$

$$\text{NET DEAD LOAD OF BUOYANCY} = 2084 \text{ lbs.}$$

$$(2772 \text{ lbs.} - 939 \text{ lbs.} = 1833 \text{ lbs.})$$

### LIVE LOAD REQUIRED BY CRMC

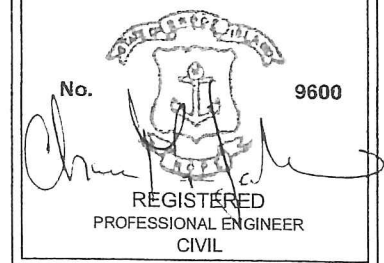
$$20 \text{ lbs./sq.ft.} \times 74 \text{ sq. ft.} = 1480 \text{ lbs.}$$

### TOTAL LOAD TO BE SUPPORTED

$$1480 \text{ lbs. (live load)} + 939 \text{ lbs. (dead load)} = 2419 \text{ lbs.}$$

A 4' x 18.5' FLOAT WITH 3 FLOTATION DRUMS PROVIDES AN EXTRA 353 lbs. OF BUOYANCY

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## HARDWARE TYPICALS

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SHEET 9 OF 9